

ABSTRACT

This research take a place in the area of former tin mining pit located in the Kenari area, Nibung Village, District Koba, Central Bangka, province of Bangka Belitung. The purpose of this research is to make a plan of how to revegetate that area. Kenari pit is 304,436 m² wide with total volume 4,841,803 m³. Material available is 5962755.467 LCM from Pungguk pit overburden. The time required to unload the material over burden by backhoe excavator is 44 months 11 days, to spread material using bulldozer is 54 months 26 days. The available top soil is 21464.95 m³. This reasearch choose the most efficient method that required only few topsoil, with 19,000 pot and 50x50x50 cm dimensions. Scheduling activities is used to determine the most efficient way to revegetated. So we can choose between using human power or heavy equipment power. Total time needed using human power is 13 days, while with heavy equipment is 14 days and with a combination of human and machine is 10 days. The plant that are planted is sengon (*paraserienthes falcataria*). Terms of growing plants sengon seen from the parameter soil pH, soil texture, effective depth, temperature and altitude. Result from this reasearch is its took a total of 54 months and 26 days to revegetated all area. spreading the top soil using pot system by using a combination of human and machine which takes a total of 10 days. Plants used for revegetation is sengon.

Keywords: Revegetate, time, plant